



**INFORMATION-RECORDING APPARATUS, INFORMATION-RECORDING METHOD,  
INFORMATION-REPRODUCING APPARATUS, INFORMATION-REPRODUCING METHOD,  
AND INFORMATION-RECORDING MEDIUM**

**BACKGROUND OF THE INVENTION**

**Field of the Invention**

The present invention relates to an information-recording apparatus, an information-recording method, an information-reproducing apparatus, an information-reproducing method, and an information-recording medium which are suitably applicable to a video recording and reproducing apparatus for home use or business use, for reproducing digital information from a tape recording medium.

**DESCRIPTION OF RELATED ART**

In recent years, a video-reproducing apparatus for reproducing digital information such as video data and audio data from a tape recording medium has been often used as home use or business use. Such video-reproducing apparatus mounts a cassette having a magnetic tape wound around its reel. Eight reproducing magnetic heads (hereinafter, referred to as "reproducing heads") reproduce video data and audio data that has recorded in a magnetic tape. Video data and audio data are recorded in the magnetic tape according to a predetermined recording format (hereinafter, referred to as "VTR format").

Fig. 1 is a view for showing an example of a conventional VTR footprint in which a video sync (M) and an audio sync (N) coexist. The conventional VTR footprint (ECC configuration and data recording format) shown in Fig. 1 is provided as a format recorded by a helical recording head (not shown). In 12 tracks of the footprint shown in